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NASA Procedural Requirements

COMPLIANCE IS MANDATORY**NPR 3792.1B**
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Request Notification of Change (NASA Only)

Subject: Plan for a Drug-Free Workplace (REVALIDATED w/Change 1 12/06/06)**Responsible Office: Office of Human Capital Management**[| TOC](#) | [ChangeHistory](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) | [Chapter4](#) | [Chapter5](#) |
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Appendix B. Positions Designated as Testing Designated Positions (TDPs) Subject to Random Drug Testing

The occupational series and titles of positions listed by TDP category below identify the pool of positions that may be subject to random drug testing. It is not the Agency's intent to designate for random testing each position classified within the occupational series and titles that follow but to designate only those positions with duties and responsibilities that meet the specific criteria. Within the context of the following criteria, mission critical systems include, but are not limited to, the Space Shuttle, the International Space Station, Expendable Launch Vehicles (ELVs), designated payloads, the Shuttle carrier aircraft, and other designated resources that provide critical access to space or the ability to accomplish critical objectives in space. Consistent with its duty to achieve a drug-free workplace under EO 12564, NASA reserves the right to make changes, additions, and deletions to the TDP lists. Information on specific TDPs may be obtained from the Office of Human Resources at each Center.

A. Presumptive TDPs

1. Employees who carry firearms on a daily or regular basis.

GS-0080 Security Administration GS-1811 Criminal Investigating

2. Motor vehicle operators carrying passengers.

- a. Operators of a motor vehicle that weighs more than 26,001 pounds.

None.

- b. Operators of a motor vehicle to transport hazardous materials.

GS-0802 Engineering Technician

- c. Operators of a motor vehicle that carries passengers, including Government/Agency/Center officials and/or foreign dignitaries or a passenger shuttle.

| | |
|---------|--|
| GS-0080 | Security Administration |
| GS-0301 | Miscellaneous Administration and Program |
| GS-0303 | Miscellaneous Clerical and Assistant |
| GS-0318 | Secretary |
| GS-0850 | Electrical Engineering |
| GS-0856 | Electronics Technician |

d. Operators of a motor vehicle, such as a fork lift, operated in a restricted access area associated with mission critical systems in which an accident would endanger the health and safety of the public or the successful achievement of the Agency's missions.

| | |
|----------|----------------------------------|
| GS-0018 | Safety and Occupational Health |
| GS-0690 | Industrial Hygiene |
| GS-0801 | General Engineering |
| GS-0802 | Engineering Technician |
| GS-0854 | Computer Engineering |
| GS-0855 | Electronics Engineering |
| GS-0856 | Electronics Technician |
| GS-0861 | Aerospace Engineering |
| GS-1152 | Production Control |
| GS-1176 | Building Management |
| GS-1301 | General Physical Science |
| GS-1310 | Physics |
| GS-1330 | Astronomy and Space Science |
| GS-1601 | General Facilities and Equipment |
| GS-1910 | Quality Assurance |
| FWS-2805 | Electrician |
| FWS-3502 | Laboring |
| FWS-4714 | Model Making |
| FWS-4745 | Research Laboratory Mechanic |
| FWS-6910 | Materials Expediting |

3. Aviation flight crew members or air traffic controllers.

| | |
|------------|--|
| GS-0301 | Miscellaneous Administration and Program |
| GS-0602 | Medical Officer |
| GS-0801 | General Engineering |
| GS-0802 | Engineering Technician |
| GS-0850 | Electrical Engineering |
| GS-0856 | Electronics Technician |
| GS-0861 | Aerospace Engineering |
| GS-1301 | General Physical Science |
| GS-2101 | General Transportation |
| GS-2181 | Aircraft Operations |
| GS-2185 | Aircrew Technician |
| Commander, | Astronauts |

Pilot,
Mission Specialist

4. Railroad operating crews.

None.

B. Preferred TDPs

1. Certain health and safety positions.

a. Employees authorized to carry firearms - Incumbents of the following positions perform the duties of facility managers and security officers and, as necessary, must respond to emergency situations that may require the use of firearms to protect and ensure the safety and security of their respective NASA facility and its personnel. Any momentary lapse of attention would put the health and safety of others at risk.

| | |
|---------|--------------------------------|
| GS-0018 | Safety and Occupational Health |
| GS-0080 | Security Administration |
| GS-0801 | General Engineering |

b. Railroad employees engaged in safety-sensitive tasks.

None.

c. Aviation personnel - Incumbents in the following positions perform the duties of flight directors, flight-testing personnel, aircraft maintenance and repair personnel with direct and critical maintenance responsibilities, aircraft safety inspectors, and other similar types of mission-critical duties for which they are directly responsible.

| | |
|---------|----------------------------------|
| GS-0334 | Computer Specialist |
| GS-0801 | General Engineering |
| GS-0802 | Engineering Technician |
| GS-0855 | Electronics Engineering |
| GS-0856 | Electronics Technician |
| GS-0861 | Aerospace Engineering |
| GS-1601 | General Facilities and Equipment |
| GS-1670 | Equipment Specialist |

2. Presidential appointees requiring Senate confirmation - Incumbents in the following positions perform the duties of Administrator, Deputy Administrator, Chief Financial Officer, and Inspector General.

| | |
|---------|--|
| GS-0301 | Miscellaneous Administration and Program |
| GS-0505 | Financial Management |
| GS-0801 | General Engineering |

3. Front-line law enforcement personnel.

None.

4. Drug rehabilitation employees - Incumbents in the following positions perform the duties of Medical Directors/Officers or Employee Assistance Program Coordinators/Counselors whose responsibilities include direct employee/client contact to counsel, advise, and assist.

| | |
|---------|----------------------------|
| GS-0101 | Social Science |
| GS-0180 | Psychology |
| GS-0201 | Human Resources Management |

GS-0203 Human Resources Assistance
GS-0301 Miscellaneous Administration and Program

5. Personnel having access to truly sensitive information - Incumbents in the following positions perform a variety of functions which, in the performance of their official duties, require access to classified information, secure areas, and/or non-NASA installations requiring a secret, top secret, or higher security clearance; in the interest of national security, a security clearance of secret or higher has been granted. Any unauthorized disclosure of any scientific and technological information would cause exceptionally grave or serious danger to national security.

GS-0018 Safety and Occupational Health
GS-0080 Security Administration
GS-0086 Security Clerical and Assistance
GS-0170 History
GS-0180 Psychology
GS-0201 Human Resources Management
GS-0212 Personnel Staffing Specialist
GS-0230 Employee Relations Specialist
GS-0301 Miscellaneous Administration and Program
GS-0303 Miscellaneous Clerical and Assistant
GS-0305 Mail and File
GS-0318 Secretary
GS-0334 Computer Specialist
GS-0335 Computer Clerk and Assistant
GS-0340 Program Management
GS-0341 Administrative Officer
GS-0342 Support Services Administration
GS-0343 Management and Program Analysis
GS-0344 Management and Program Clerical and Assistance
GS-0391 Telecommunications
GS-0401 General Biological Science
GS-0501 Financial Administration and Program
GS-0505 Financial Management
GS-0510 Accounting
GS-0560 Budget Analysis
GS-0601 General Health Science
GS-0602 Medical Officer
GS-0690 Industrial Hygiene
GS-0701 Veterinary Medical Science
GS-0801 General Engineering

| | |
|---------|-----------------------------------|
| GS-0802 | Engineering Technician |
| GS-0803 | Safety Engineering |
| GS-0806 | Materials Engineering |
| GS-0830 | Mechanical Engineering |
| GS-0840 | Nuclear Engineering |
| GS-0850 | Electrical Engineering |
| GS-0854 | Computer Engineering |
| GS-0855 | Electronics Engineering |
| GS-0856 | Electronics Technician |
| GS-0861 | Aerospace Engineering |
| GS-0892 | Ceramic Engineering |
| GS-0893 | Chemical Engineering |
| GS-0905 | General Attorney |
| GS-0950 | Paralegal Specialist |
| GS-0986 | Legal Assistance |
| GS-1035 | Public Affairs |
| GS-1060 | Photograph |
| GS-1071 | Audiovisual Production |
| GS-1082 | Writing and Editing |
| GS-1083 | Technical Writing and Editing |
| GS-1084 | Visual Information |
| GS-1101 | General Business and Industry |
| GS-1102 | Contracting |
| GS-1140 | Trade Specialist |
| GS-1152 | Production Control |
| GS-1199 | Business/Industry Student Trainee |
| GS-1222 | Patent Attorney |
| GS-1301 | General Physical Science |
| GS-1303 | Earth Science Program Management |
| GS-1310 | Physics |
| GS-1313 | Geophysics |
| GS-1320 | Chemistry |
| GS-1330 | Astronomy and Space Science |
| GS-1340 | Meteorology |
| GS-1360 | Oceanography |
| GS-1386 | Photographic Technologist |

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| GS-1410 | Librarian |
| GS-1412 | Technical Information Services |
| GS-1420 | Archivist |
| GS-1520 | Mathematics |
| GS-1550 | Computer Science |
| GS-1601 | General Facilities and Equipment |
| GS-1654 | Printing Management |
| GS-1670 | Equipment Specialist |
| GS-1720 | Education Program |
| GS-1801 | General Inspection, Investigation, and Compliance |
| GS-1910 | Quality Assurance |
| GS-2001 | General Supply |
| GS-2130 | Traffic Management |
| GS-2151 | Dispatching |
| GS-2181 | Aircraft Operations |
| GS-2210 | Information Technology Management |

C. Discretionary Designation TDPs

1. Performs direct hands-on work with explosive, toxic, radioactive, or other such types of dangerous materials or substances - Incumbents in the following positions perform duties which require them to make independent, real-time major decisions in the performance of their duties involving hands-on work with explosives, toxic and/or radioactive substances, or other dangerous materials or substances. The use of these materials and substances is critical to our space systems and mission success. Any use of illegal drugs in this type of position would jeopardize the health and safety of others resulting in injury or loss of life and/or result in damage or destruction of mission critical property and/or systems.

| | |
|---------|-------------------------------------|
| GS-0018 | Safety and Occupational Health |
| GS-0028 | Environmental Protection Specialist |
| GS-0690 | Industrial Hygiene |
| GS-0698 | Environmental Health Technician |
| GS-0801 | General Engineering |
| GS-0802 | Engineering Technician |
| GS-0806 | Materials Engineering |
| GS-0830 | Mechanical Engineering |
| GS-0850 | Electrical Engineering |
| GS-0856 | Electronics Technician |
| GS-0861 | Aerospace Engineering |
| GS-1301 | General Physical Science |
| GS-1306 | Health Physics |
| GS-1310 | Physics |

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| GS-1311 | Physical Science Technician |
| GS-1601 | General Facilities and Equipment |
| GS-2010 | Inventory Management |

2. Performs direct hands-on work with fluids and gases that are under pressure - Incumbents in the following positions perform duties which require them to make independent, real-time major decisions in the performance of their duties involving hands-on work with fluids and gases that are under pressure. The use of these fluids and gases is critical to our space systems and mission success. Any use of illegal drugs in this type of position would jeopardize the health and safety of others, resulting in injury or loss of life, and/or result in damage or destruction of mission critical property and/or systems.

| | |
|----------|----------------------------------|
| GS-0801 | General Engineering |
| GS-0802 | Engineering Technician |
| GS-0830 | Mechanical Engineering |
| GS-0855 | Electronics Engineering |
| GS-0850 | Electrical Engineering |
| GS-0856 | Electronics Technician |
| GS-0861 | Aerospace Engineering |
| GS-1152 | Production Control |
| GS-1311 | Physical Science Technician |
| GS-1601 | General Facilities and Equipment |
| GS-1670 | Equipment Specialist |
| FWS-2601 | Electronic Systems Mechanic |
| FWS-4714 | Model Making |

3. Performs hands-on operation or maintenance of major mechanical or electrical equipment that is mission critical and upon which the successful achievement of the Agency's missions is dependent - Incumbents in the following positions perform duties which require them to make independent, real-time major decisions in the performance of their duties involving hands-on operation, maintenance, repair, or inspection of major mechanical or electrical equipment critical to our space systems and mission success. Any use of illegal drugs in this type of position would jeopardize the health and safety of others, resulting in injury or loss of life, and/or result in damage or destruction of mission critical property and/or systems. Does not include positions that involve mechanical or electrical equipment that poses minimal or no risk or danger to the safety of the public.

| | |
|----------|----------------------------------|
| GS-0801 | General Engineering |
| GS-0802 | Engineering Technician |
| GS-0830 | Mechanical Engineering |
| GS-0850 | Electrical Engineering |
| GS-0855 | Electronics Engineering |
| GS-0856 | Electronics Technician |
| GS-0861 | Aerospace Engineering |
| GS-1152 | Production Control |
| GS-1601 | General Facilities and Equipment |
| FWS-2810 | High-Voltage Electrician |

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|----------|-------------------------------------|
| FWS-3808 | Boilermaking |
| FWS-4202 | Pipefitting |
| FWS-4714 | Model Making |
| FWS-4742 | Utility Systems Repairing-Operating |

4. Performs duties of a safety or quality assurance specialist or other reliability, quality assurance, or safety-related duties - Incumbents in the following positions perform a variety of functions to ensure the safety of the public; our personnel, facilities, and property; and mission critical systems. They are required to make independent, real-time major decisions involving critical safety, quality, and reliability issues during the research, development, and operational phases of flight hardware and space systems. Safety is the cornerstone of mission success. Any use of illegal drugs in this type of position would jeopardize the health and safety of others, resulting in injury or loss of life, and/or result in damage or destruction of mission critical property and/or systems.

| | |
|----------|----------------------------------|
| GS-0018 | Safety and Occupational Health |
| GS-0801 | General Engineering |
| GS-0802 | Engineering Technician |
| GS-0803 | Safety Engineering |
| GS-0819 | Environmental Engineering |
| GS-0830 | Mechanical Engineering |
| GS-0850 | Electrical Engineering |
| GS-0854 | Computer Engineering |
| GS-0861 | Aerospace Engineering |
| GS-1601 | General Facilities and Equipment |
| GS-1910 | Quality Assurance |
| FWS-2810 | High-Voltage Electrician |

5. Performs certain launch and in-flight operations work - Incumbents in the following positions perform a variety of functions during take-off, in-flight, and landing of aircraft and during ascent, on-orbit, and reentry operations of space systems. They are required to make independent, real-time major decisions often based on complex, technical data. Any use of illegal drugs in this type of position would jeopardize the health and safety of others, resulting in injury or loss of life, and/or result in damage or destruction of mission critical property and/or systems.

| | |
|---------|------------------------|
| GS-0801 | General Engineering |
| GS-0850 | Electrical Engineering |
| GS-0854 | Computer Engineering |
| GS-0861 | Aerospace Engineering |

6. Performs medical treatment and patient care or has unmonitored or minimally monitored access to drugs - Incumbents in the following positions provide clinical medical care, including diagnostic and therapeutic health care services, for research pilots, astronauts, and payload specialists. Such services may be provided during pre-flight, in-flight, or post-flight activities. In addition, medical safety monitoring of human subjects is required during tests and training, including all vacuum chamber and water immersion experiments. Any use of illegal drugs in this type of position may result in inaccurate or untimely medical judgments, which would lead to injury or loss of life of pilots, astronauts, payload specialists, and/or human test subjects. The incumbents' easy access to narcotics and other controlled substances makes them unusually susceptible to unauthorized personal use.

| | |
|---------|-----------------|
| GS-0602 | Medical Officer |
| GS-0610 | Nurse |

7. Has unescorted access to mission critical systems which warrants inclusion in the NASA Personnel Reliability Program (PRP) [14 CFR Section 1214.500] - Incumbents in the following positions have either been assigned to mission critical positions, or perform duties requiring unescorted access to mission critical systems' areas, and have been certified under the NASA PRP. In addition, although many of the incumbents of the following positions do not, in the performance of their day-to-day duties, require unescorted access to mission critical systems' areas, they are often called upon to act as hosts/hostesses and tour guides during the many public functions (e.g., activities associated with Space Shuttle launch and landing activities) which involve escorting guests (often foreign dignitaries) on tours of the facilities, including mission critical systems' areas and have, therefore, been certified under the NASA PRP. Duties performed in a faulty, negligent, or malicious manner or any use of illegal drugs in this type of position would jeopardize mission critical property and/or systems and the successful achievement of the Agency's missions.

| | |
|---------|---|
| GS-0018 | Safety and Occupational Health |
| GS-0028 | Environmental Protection Specialist |
| GS-0180 | Psychology |
| GS-0235 | Employee Development |
| GS-0260 | Equal Employment Opportunity |
| GS-0301 | Miscellaneous Administration and Program |
| GS-0303 | Miscellaneous Clerical and Assistant |
| GS-0318 | Secretary |
| GS-0334 | Computer Specialist |
| GS-0340 | Program Management |
| GS-0341 | Administrative Officer |
| GS-0343 | Management and Program Analysis |
| GS-0344 | Management and Program Clerical and Assistance |
| GS-0346 | Logistics Management |
| GS-0391 | Telecommunications |
| GS-0399 | Administration and Office Support Student Trainee |
| GS-0401 | General Biological Science |
| GS-0435 | Plant Physiology |
| GS-0501 | Financial Administration and Program |
| GS-0510 | Accounting |
| GS-0525 | Accounting Technician |
| GS-0560 | Budget Analysis |
| GS-0601 | General Health Science |
| GS-0602 | Medical Officer |
| GS-0690 | Industrial Hygiene |
| GS-0801 | General Engineering |
| GS-0802 | Engineering Technician |
| GS-0803 | Safety Engineering |
| GS-0804 | Fire Protection Engineering |

| | |
|---------|--|
| GS-0806 | Materials Engineering |
| GS-0807 | Landscape Architecture |
| GS-0809 | Construction Control |
| GS-0810 | Civil Engineering |
| GS-0819 | Environmental Engineering |
| GS-0830 | Mechanical Engineering |
| GS-0850 | Electrical Engineering |
| GS-0854 | Computer Engineering |
| GS-0855 | Electronics Engineering |
| GS-0856 | Electronics Technician |
| GS-0861 | Aerospace Engineering |
| GS-0892 | Ceramic Engineering |
| GS-0899 | Engineering and Architecture Student Trainee |
| GS-1001 | General Arts and Information |
| GS-1035 | Public Affairs |
| GS-1084 | Visual Information |
| GS-1101 | General Business and Industry |
| GS-1102 | Contracting |
| GS-1103 | Industrial Property Management |
| GS-1104 | Property Disposal |
| GS-1150 | Industrial Specialist |
| GS-1176 | Building Management |
| GS-1301 | General Physical Science |
| GS-1310 | Physics |
| GS-1320 | Chemistry |
| GS-1330 | Astronomy and Space Science |
| GS-1520 | Mathematics |
| GS-1530 | Statistician |
| GS-1550 | Computer Science |
| GS-1910 | Quality Assurance |
| GS-2005 | Supply Clerical and Technician |
| GS-2130 | Traffic Management |
| GS-2150 | Transportation Operations |

8. Managers/supervisors technically qualified to make real-time decisions in lieu of a nonsupervisory employee in a TDP - Incumbents in the following positions, as the direct manager or supervisor of an employee whose duties and responsibilities meet the criteria of a specific TDP category previously identified, would be required in the absence of the employee to make independent, real-time major decisions based on complex technical criteria. Any use of illegal drugs in this type of position would jeopardize the health and safety of others, resulting in injury or loss of life, and/or result in damage or destruction of mission critical property and/or systems.

| | |
|---------|---|
| GS-0081 | Fire Protection and Prevention |
| GS-0301 | Miscellaneous Administration and Program |
| GS-0801 | General Engineering |
| GS-0802 | Engineering Technician |
| GS-0806 | Materials Engineering |
| GS-0850 | Electrical Engineering |
| GS-0855 | Electronics Engineering |
| GS-0861 | Aerospace Engineering |
| GS-1301 | General Physical Science |
| GS-1313 | Geophysics |
| GS-1320 | Chemistry |
| GS-1330 | Astronomy and Space Science |
| GS-1801 | General Inspection, Investigation, and Compliance |

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